

Shenzhen Yuboshen Electronic Technology Co., Ltd.

Acceptance Acknowledgment Document
SPECIFICATION FOR APPROVAL

Customer Name	HAIJIXING		
Customer Project Name	YD07	YBS Project Name	YD07
Customer P/N		YBS CP/N (Yobo Deep Part Number)	WF3113B-0814L-80
Band	WIFI2.4G		
Version Number	A0		
Designer Information			
RF Engineer	Li Yun	R&D Supervisor R&D Director	Yang Hai
Structural Engineer ME Engineer	Huang Yating		

Approval				Customer Approval	
	Prepared	By	Review	Approval By	Checked By
Signature	Huang Yating		Yang Hai	Chen Jiafeng	
Date	2026. 1. 20		2026. 1. 20	2026. 1. 20	

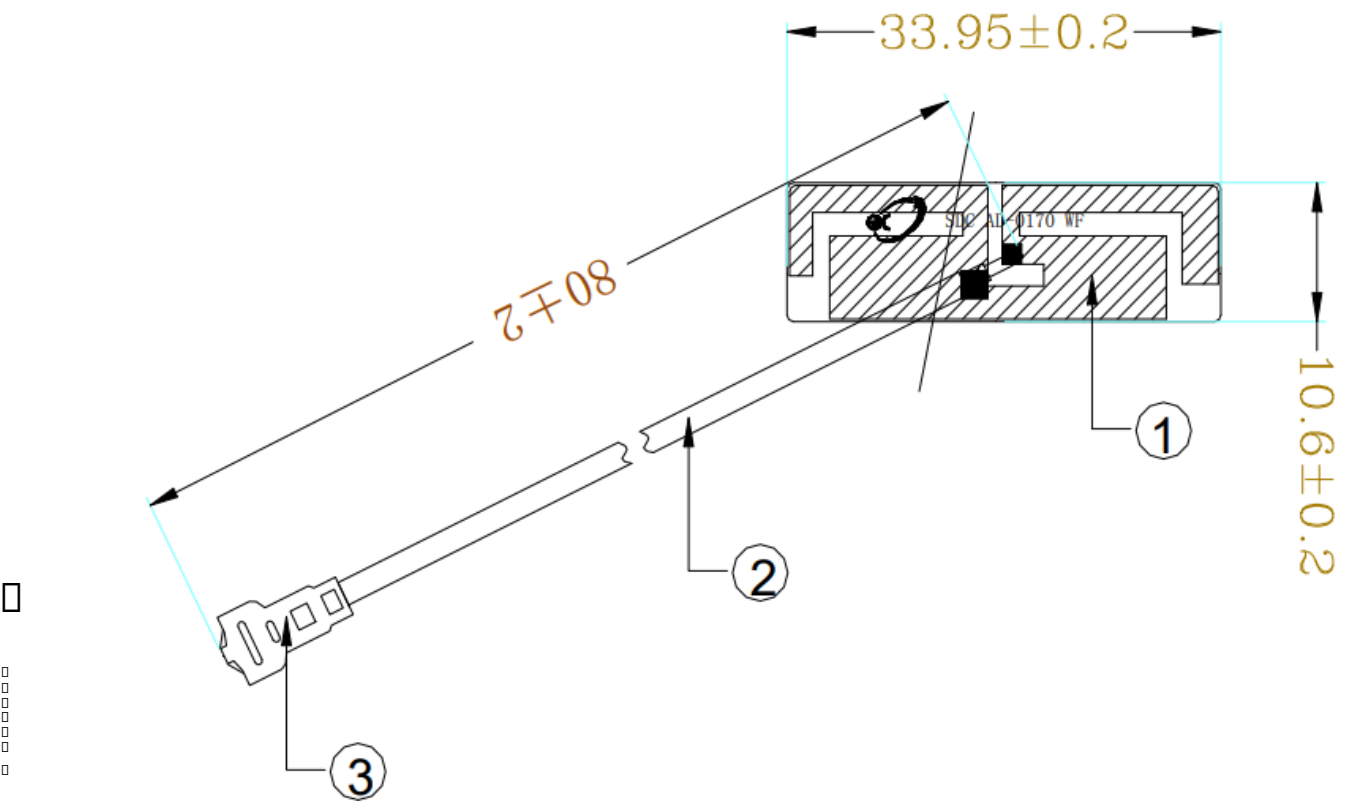
Change Log				
Version	Revision	Responsible Person	Approval	Date
Version	Change Description	Person in Charge	Approval By	Date

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Catalogue		
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Product Drawings or
Drawing or Product Image



Note: For wires within 60mm, the terminal head will face down unless otherwise specified by the customer.

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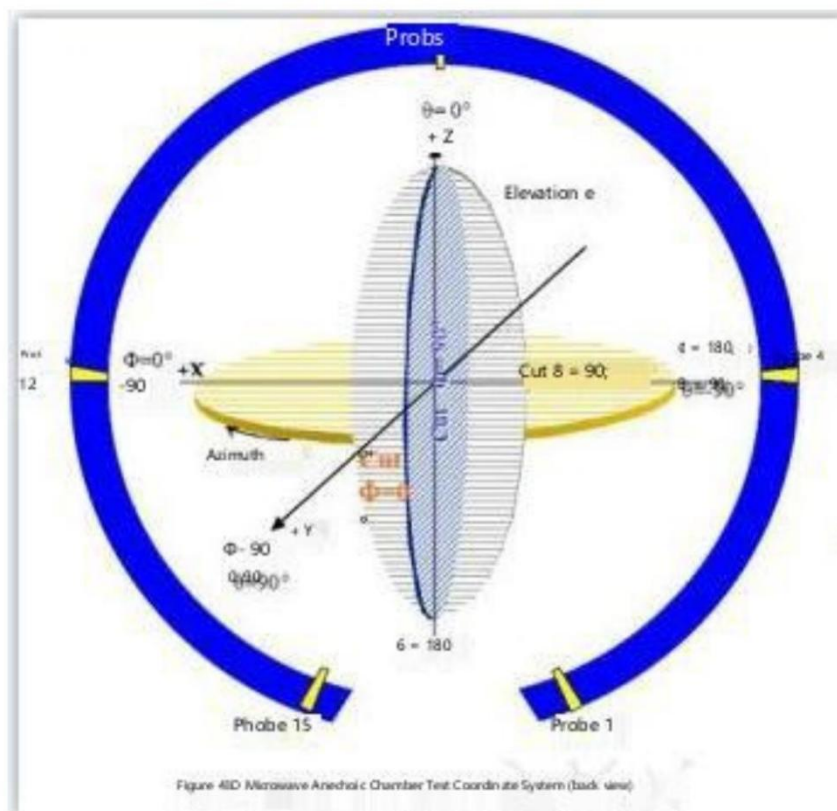
Sample Size Measurement Report

Test Date	2026. 1. 20	Sample Quantity	3	Tester	Xu Yanfang
Dimension No.	Standard	Sample 1 Sample 1	Sample 2 Sample 2	Sample 3 Sample 3	Pass/NG
① Length	33. 95±0. 2mm	33. 95	33. 95	34. 05	Pass
② Width	10. 6±0. 2mm	10. 6	10. 7	10. 6	Pass
③ Thickness	0. 1±0. 03mm	0. 1	0. 1	0. 1	Pass
④ Wire Length	80±2mm	80	80	80	Pass
⑤					
⑥					
⑦					
Conclusion					PASS
Tester & Date	Xu Yanfang 2026.1.20		Approval & Date		

RF Performance Measurement Report

Antenna Test Equipment Introduction

Test of antenna input characteristics using Agilent E5071C and Agilent 5062A vector network analyzer; The radiation pattern of the antenna are tested using the guangping 3D near field Anechoic Chamber, and the instrument is used to agilent8960 E5515 and Agilent E4438C. The test coordinates of the darkroom are as follows:



S11 Parameter Measurement - VSWR

Measuring Method is a 50Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the S11 parameter, Keeping this fixture away from metal at least 20cm.

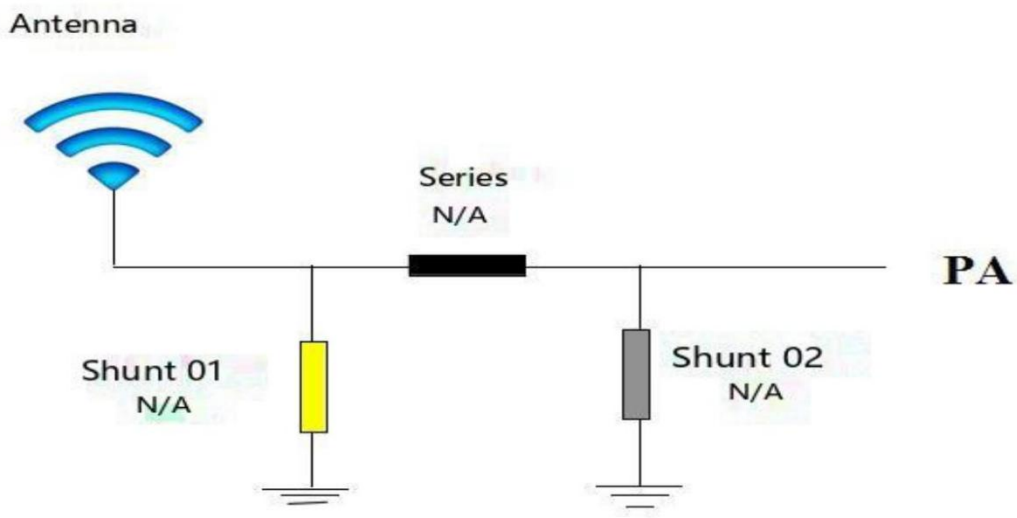
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S11 Parameter-VSWR



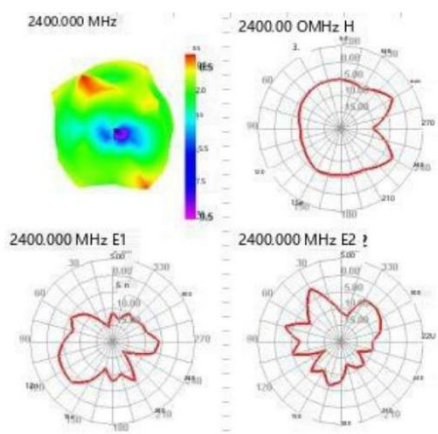
Frequency (MHz)	2400	2450	2500
Impedance Ω	43.14	54.08	66.45
Frequency (MHz)	2400	2450	2500
VSWR	1.16	1.22	1.39
Frequency (MHz)	2400	2450	2500
Return Loss	-22.55	-18.88	-14.95

2. Antenna Matching Network



3. Gain & Efficiency

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	40.83	0.53
2450	41.16	0.68
2500	41.29	0.61



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Reliability Test Report

Test Date	2026. 1. 20	Sample Quantity	3	Tester	Xu Yanfang	
Test Item	Requirement	Test Equipment testing equipment	Sample 1 Sample 1	Sample 2 Sample 2	Sample 3 Sample 3	PASS/NG Judgment
High Temperature Storage	Exposed to +85°C for 24 hours, then tested after 2 hours of recovery.	Constant Temperature and Humidity Chamber	OK	OK	OK	Pass
Low Temperature Storage	Exposed to -40°C for 24 hours, then tested after 2 hours of recovery.	Constant Temperature and Humidity Chamber	OK	OK	OK	Pass
High Temperature Operation	Powered on for 24 hours at +60°C.	Constant Temperature and Humidity Chamber	OK	OK	OK	Pass
Low Temperature Operation	Powered on for 24 hours at -20°C.	Constant Temperature and Humidity Chamber	OK	OK	OK	Pass
Salt Spray Test	(5 ± 0.5)% sodium chloride, pH value 6.5~7.2, test chamber temperature (35±2)°C. ☐ 24H ☒ 48H	Salt Spray Tester	OK	OK	OK	Pass
Connector Riveting and Pull-out Force	1.13 Wire diameter ≥ 10N. 0.81 Wire diameter ≥ 8N RG174 ≥ 60N. RG178 ≥50N	Push-Pull Force Gauge	≥8N	≥8N	≥8N	Pass
Conclusion						Pass
Tester & Date	Xu Yanfang 2026.1.20		Approval & Date			

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Installation Matters or Others

Installation Process:

Take 1 piece of product, peel off the release paper on the back of the FPC by hand, then align the FPC positioning hole position with the housing positioning hole position (positioning rib or positioning line), and attach it flat to the housing. The specific position is shown in the figure below:

Installation Precautions:

- ☐ Ensure the FPC is completely attached to the housing after attaching the antenna;
- ☐ Align the positioning hole with the housing positioning post;
- ☐ Align the edge of the FPC with the edge of the housing;
- ☐ When attaching the antenna with terminals to the motherboard PCBA, please align the terminals first, and then attach them vertically;
- ☐ When disassembling the antenna terminal, use a tool (such as a special pry bar) to vertically pry up the terminal; do not pull the wire directly to disassemble.



WiFi